

WHAT IS CLAIMED IS :

1/ Electron gun comprising at least one emissive cathode of substantially tubular shape, held in place using support means) comprising:

- 5 - an eyelet surrounding the cathode
 - a metal plate substantially parallel to the longitudinal axis Z of the gun comprising a central part folded so as to partially surround the eyelet and two side arms extending on each side of the central part

10 wherein a region connecting the central part to the side arms have, in the direction of the longitudinal axis, a width L which is greater than the width L" of the side arms in the same direction.

15 2/ Electron gun according to the preceding claim, wherein said gun comprises three emissive cathodes, the metal plates partially surrounding the eyelets of the cathode being all three of substantially identical weight.

20 3/ Electron gun according to Claim 1, wherein the width of the side arms in the direction of the longitudinal axis of the gun is less than half the overall size L of the metal plate in this same direction.

25 4/ Electron gun according to Claim 1, wherein the arms comprise, at their end, a part folded so as to form an angle of less than 180°.

5/ Electron gun according to Claim 1, wherein the central part has, in the direction of the longitudinal axis, a region of width L' which is less than the width of the connection regions.

6/ Electron gun according to Claim 1, wherein the central part is indented.

30 7/ Electron gun according to the preceding claim, wherein the indentation is located in the extension of the side arms.

8/ Cathode-ray tube, characterized in that it comprises an electron gun according to claim 1.